ABSTRACT

AN IMPROVED METHOD AND DEVICE OR ARRANGEMENT FOR THE MANAGEMENT OF A SCHEDULE OF RESOURCES

A method is dedicated to the management of a resource schedule presenting a chosen time granularity and covering a chosen overall period, each resource being capable of being divided into resource fractions each associated with a reservation period defined at least by an initial instant. This method consists, firstly, of storing the schedule in the form of a so-called "n-ary" tree, that is a tree of order n, where n is two or more, equipped with leaves (Nj4), each representing a time interval (Tj) equal to the chosen granularity, and of branches growing from nodes (Nji) each corresponding to a secondary period equal to the sum of the time intervals (Tj) represented by all of the leaves which are associated with it, and secondly, storing in each node (Nji) known as a primary node because it belongs to a set of a minimum number of nodes jointly representing a reservation period, the data representing the maximum reserved resource quantity in the corresponding secondary period.

(Figure 2)